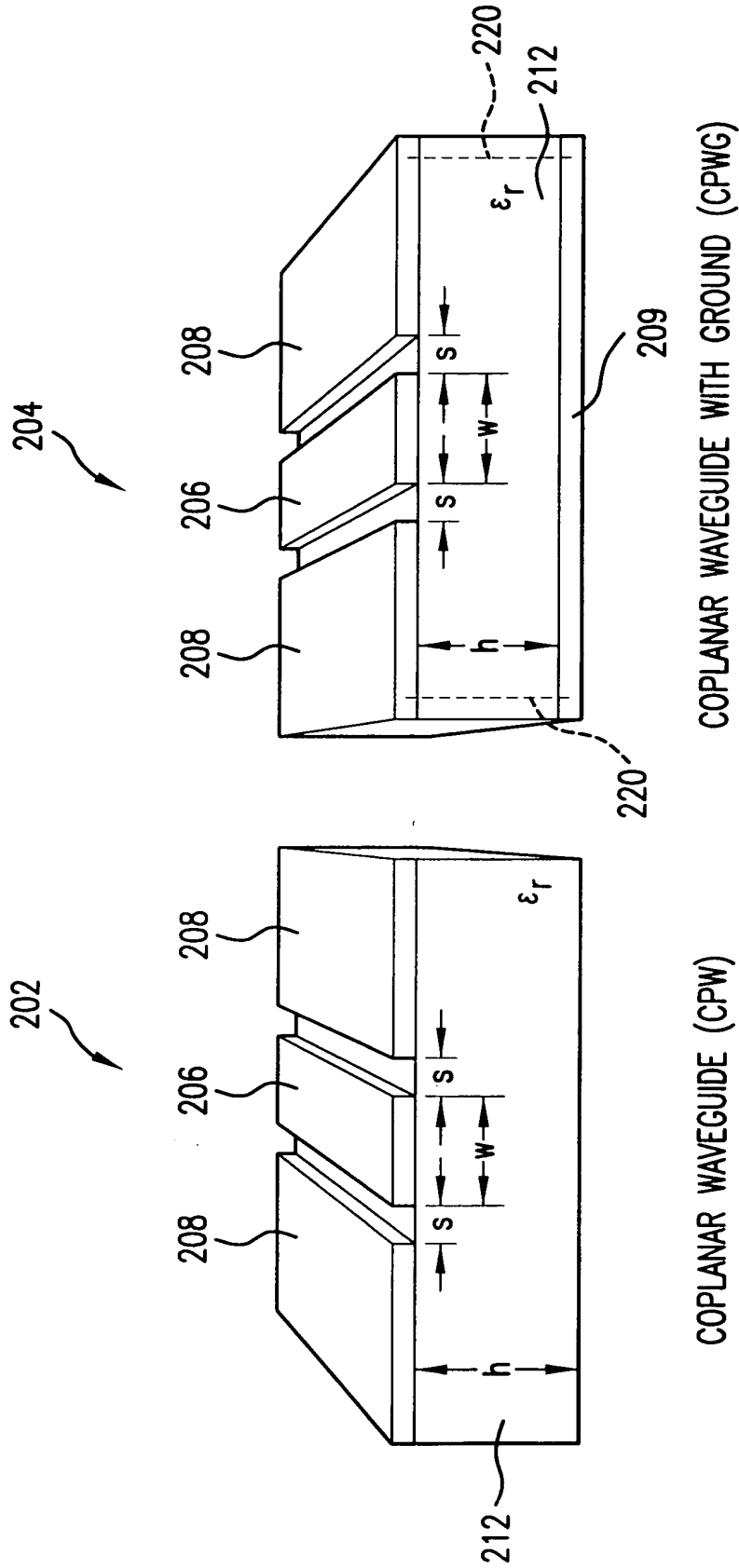
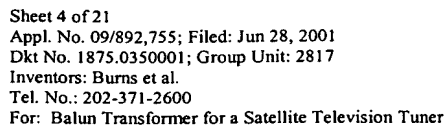


FIG. 1B
PRIOR ART





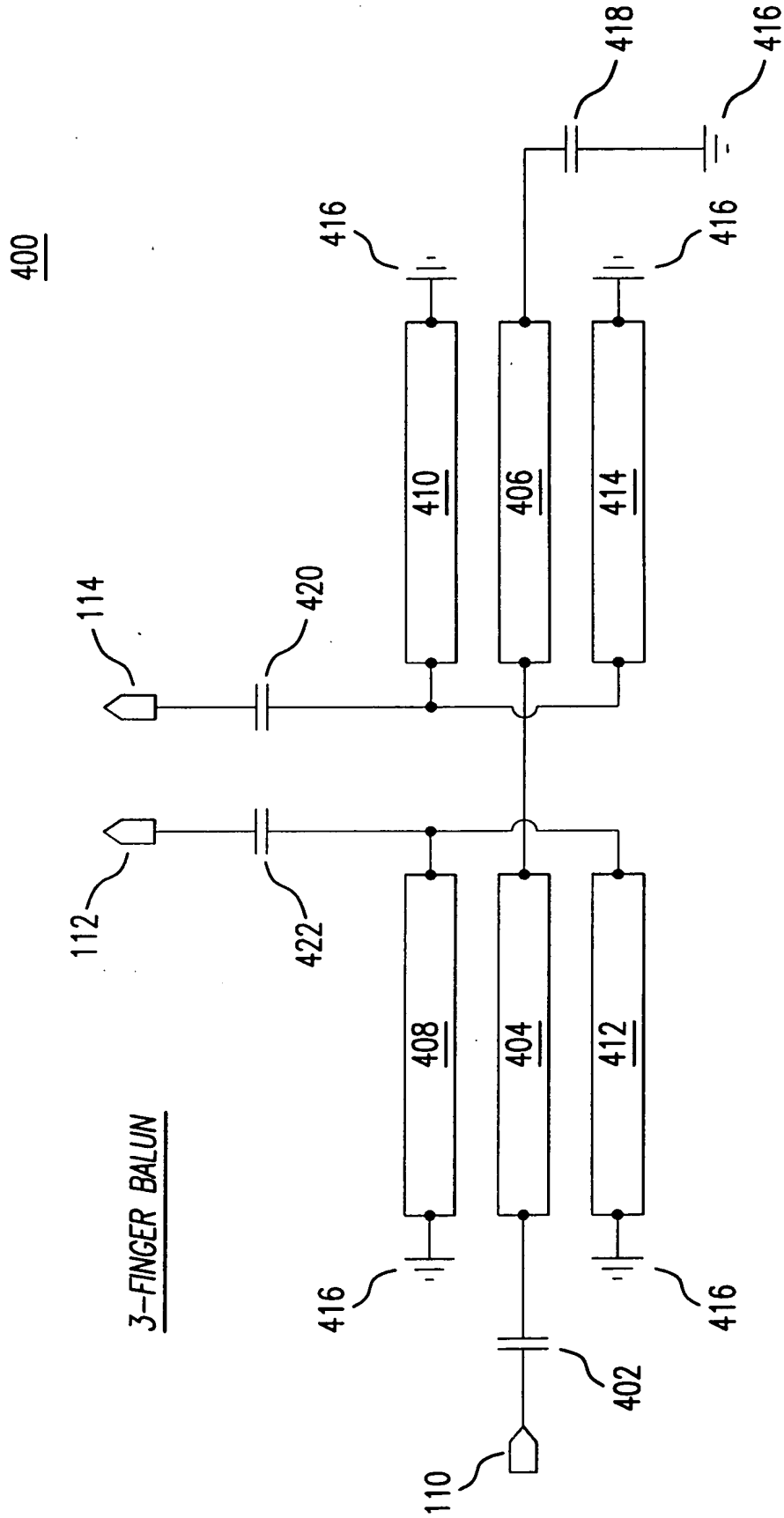


FIG. 4A



401

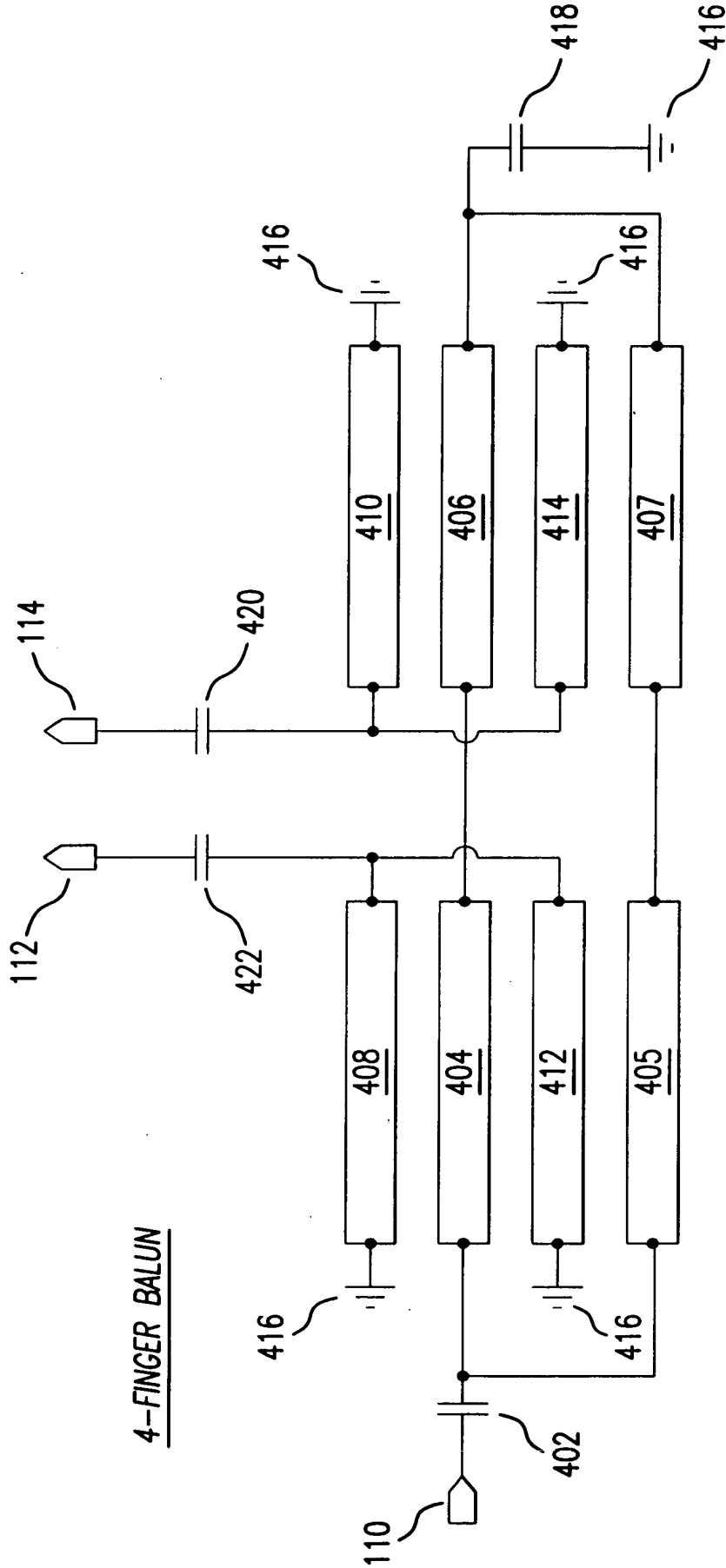


FIG. 4B

4-FINGER BALUN

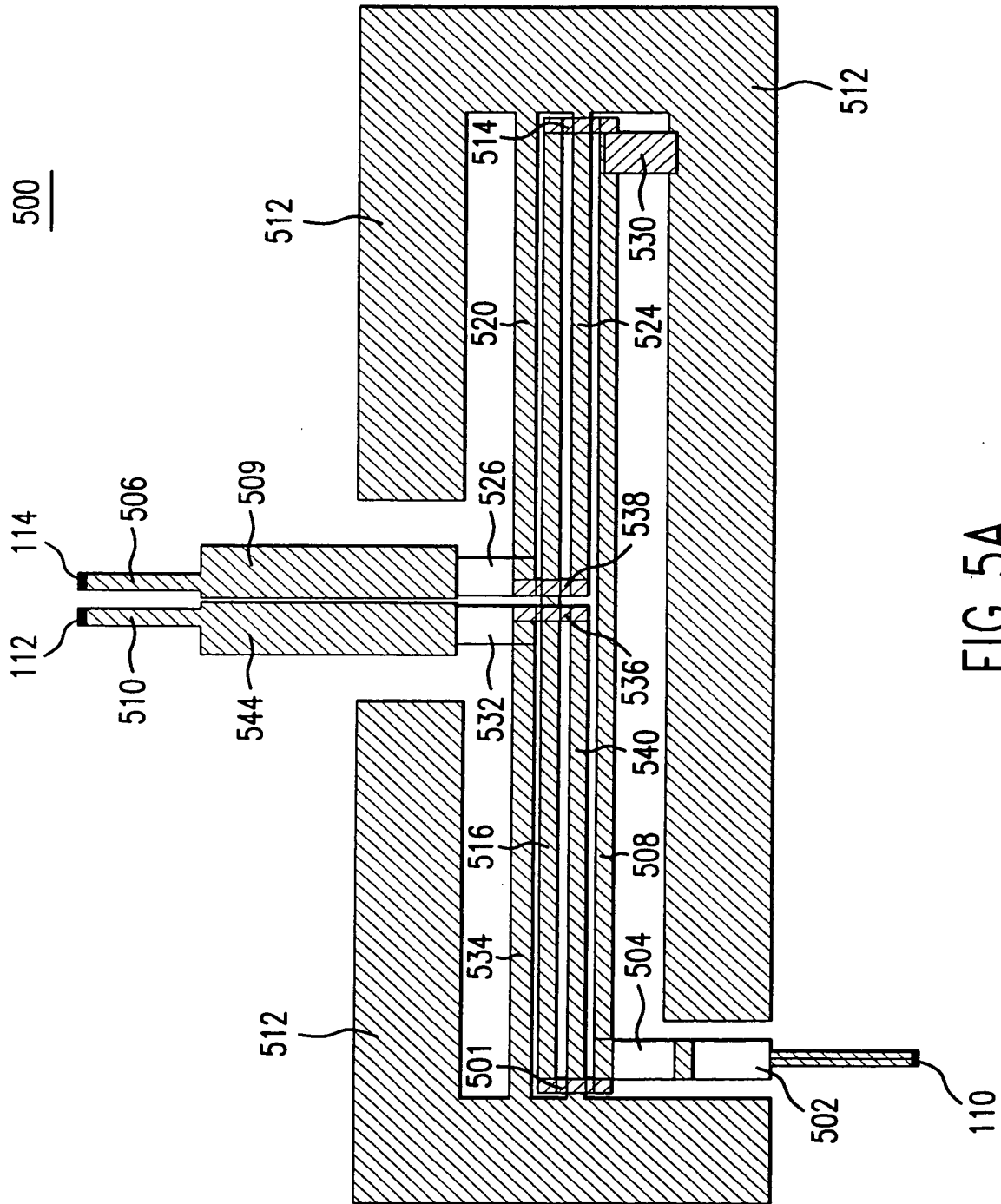


FIG. 5A

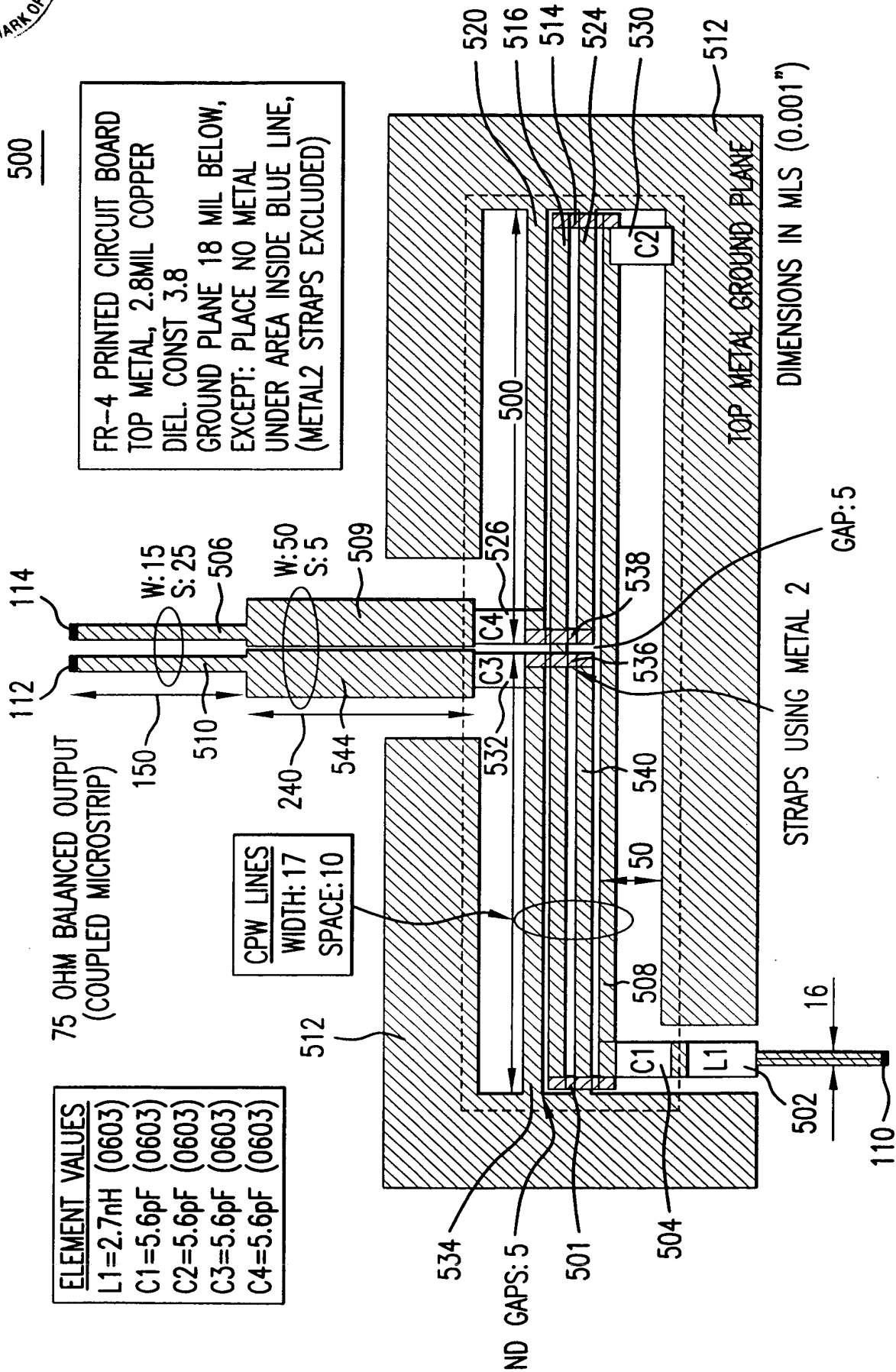


FIG. 5B

FIG. 5B

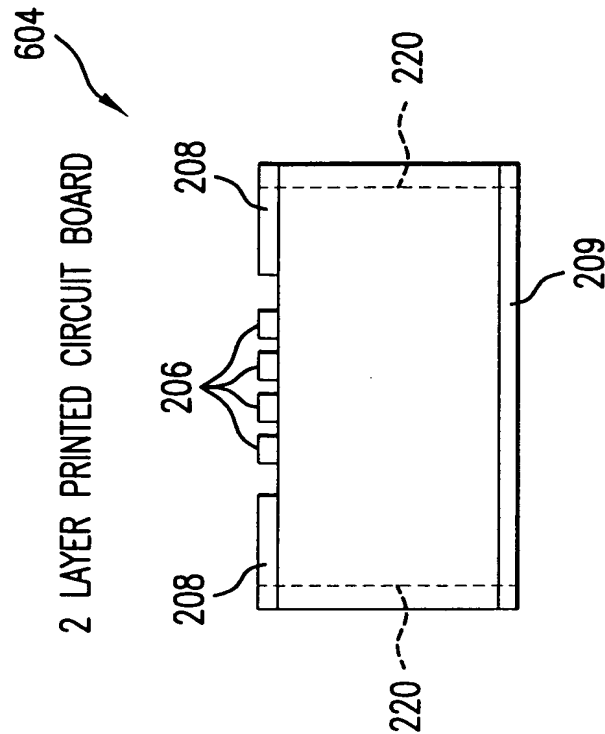


FIG. 6B

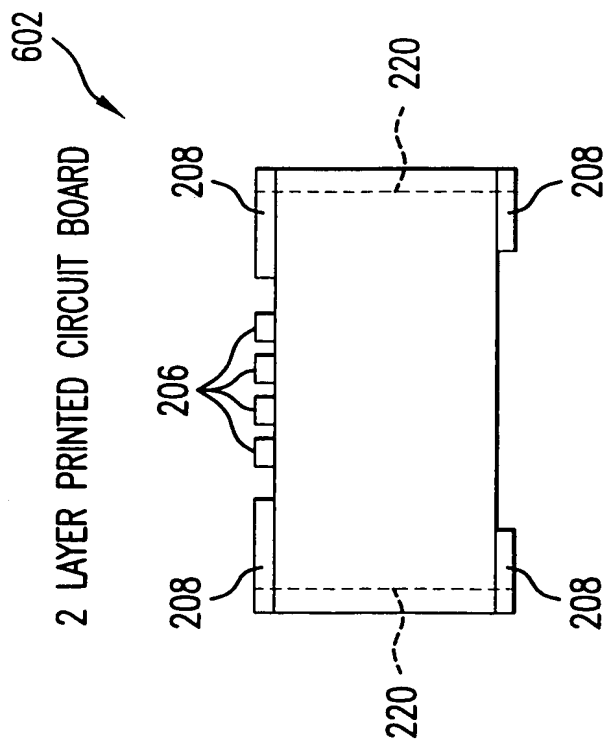


FIG. 6A

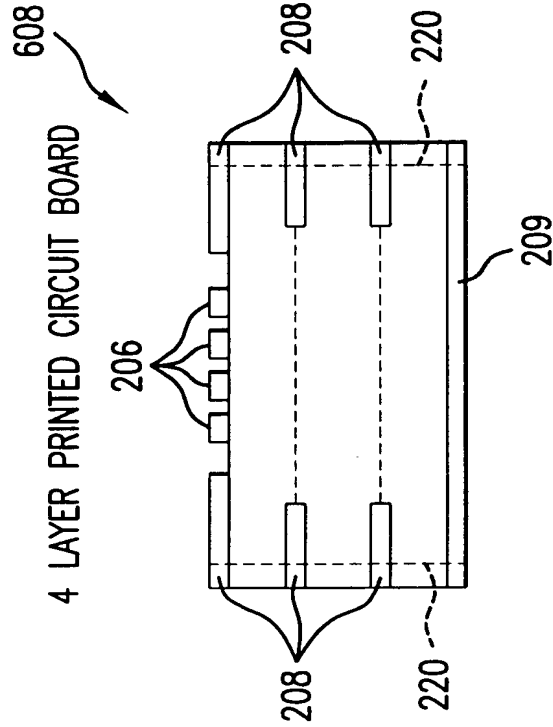


FIG. 6D

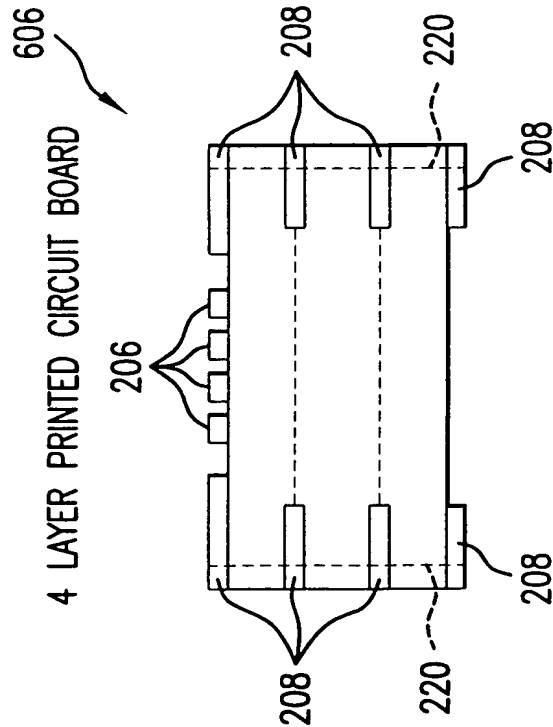


FIG. 6C

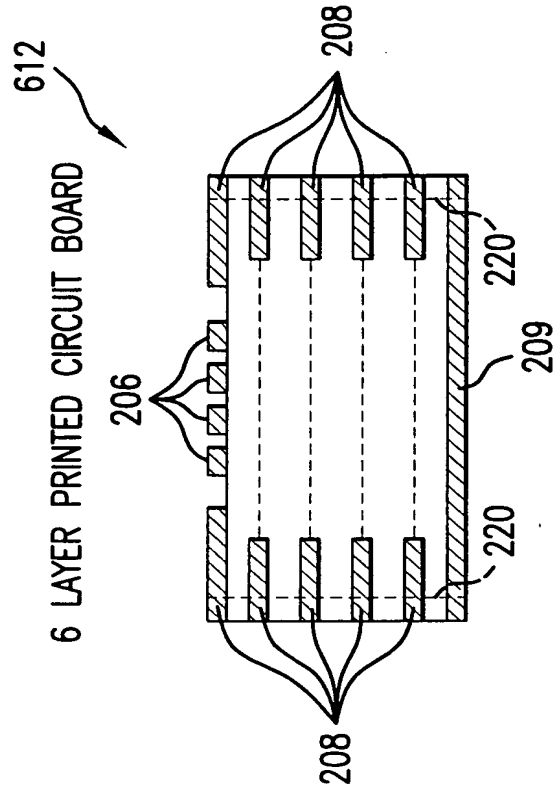


FIG. 6F

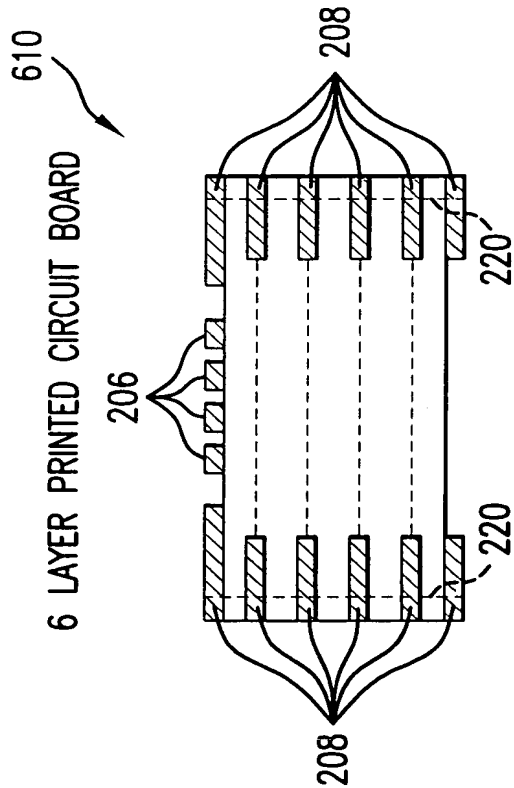
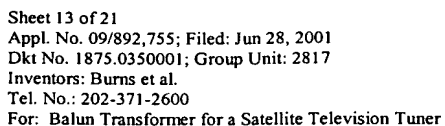


FIG. 6E



A dimension line with arrows at both ends, indicating a distance of 425 mils between two points. The point on the left is labeled 110 and the point on the right is labeled 706.

112

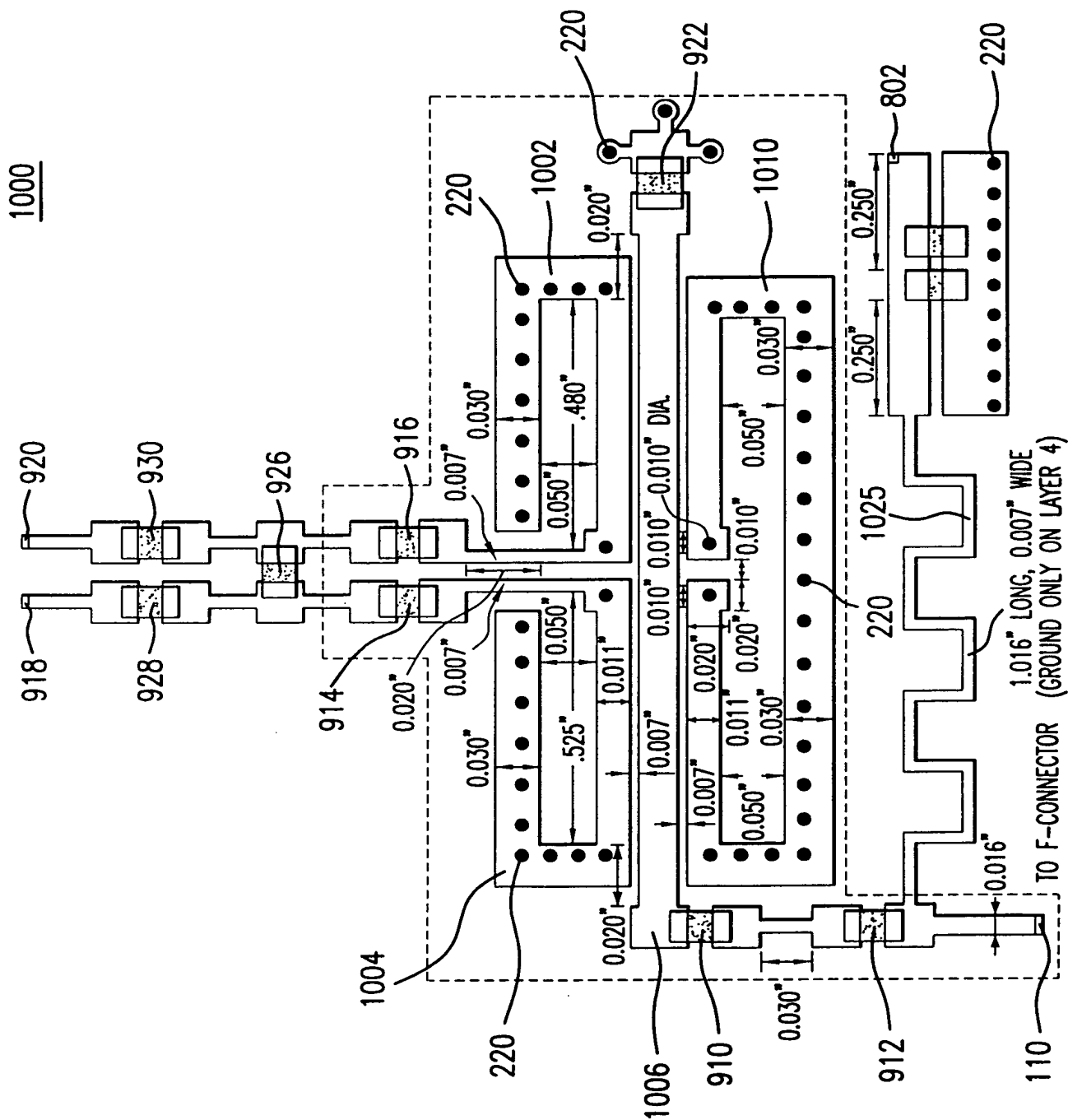
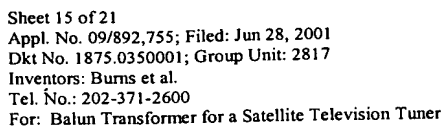


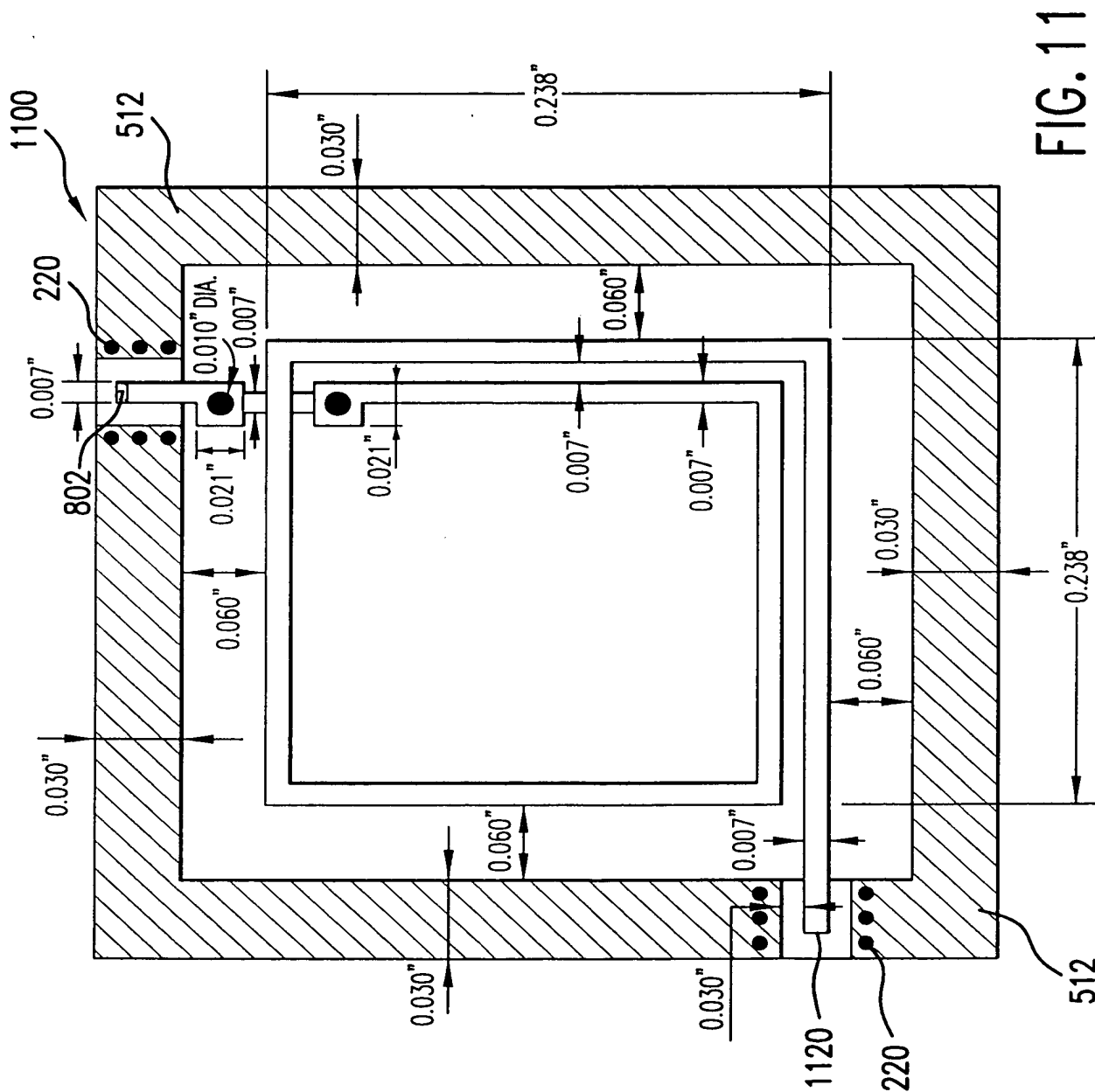
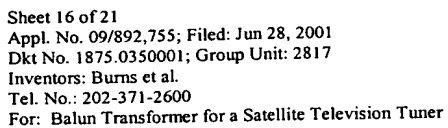
Top view of a microstrip circuit layout on a substrate 512. The layout includes a balun inductor 110, a balun transformer 802, and a balun transformer 804. Dimensions are provided in mils. The balun inductor 110 has a length of 425 mils and a width of 35 mils. The balun transformer 802 has a primary winding with 7 turns and a secondary winding with 7 turns. The balun transformer 804 has a primary winding with 7 turns and a secondary winding with 7 turns. The layout is surrounded by a ground plane 220.

FIG. 8



FIG. 9





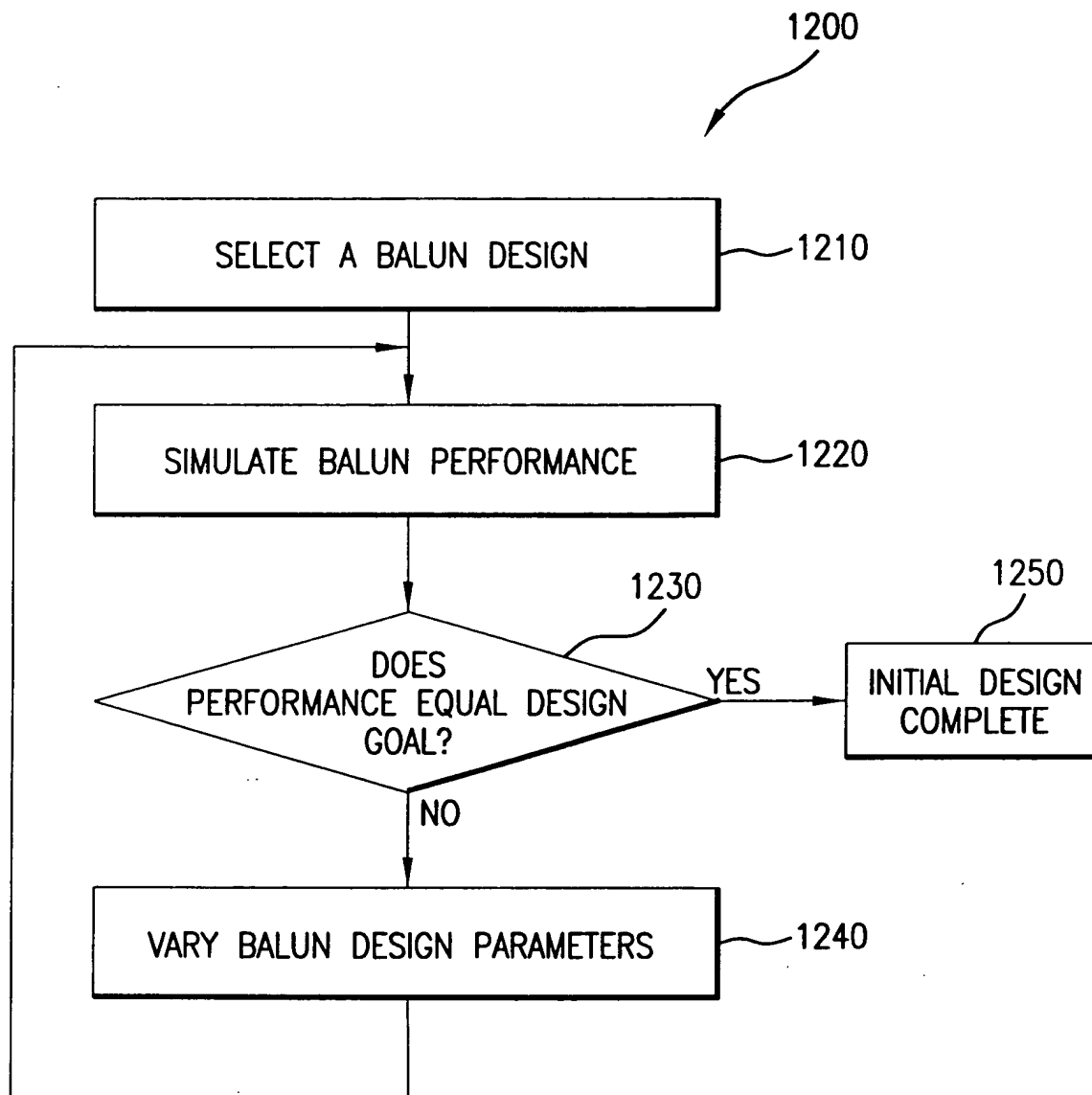


FIG. 12

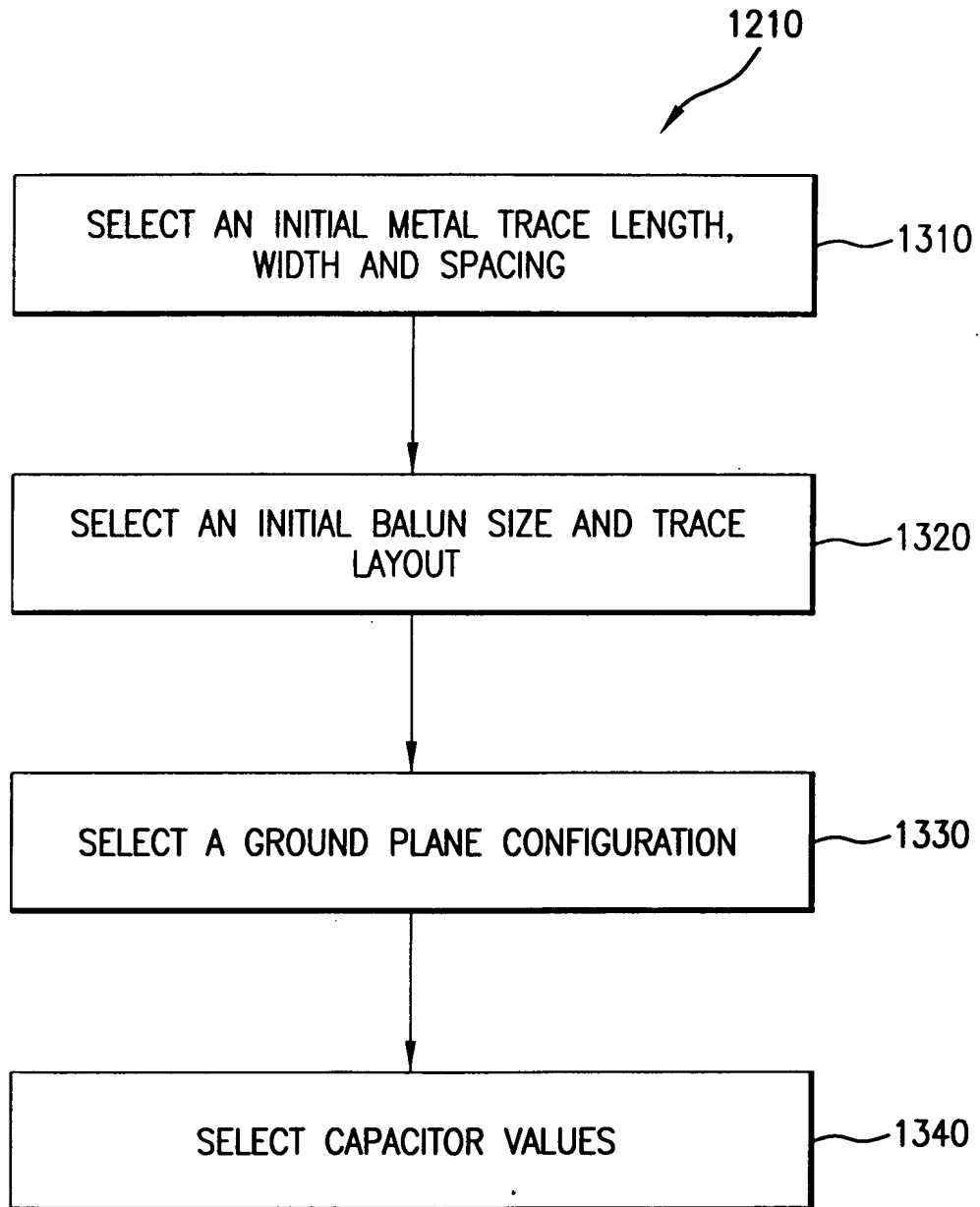


FIG. 13

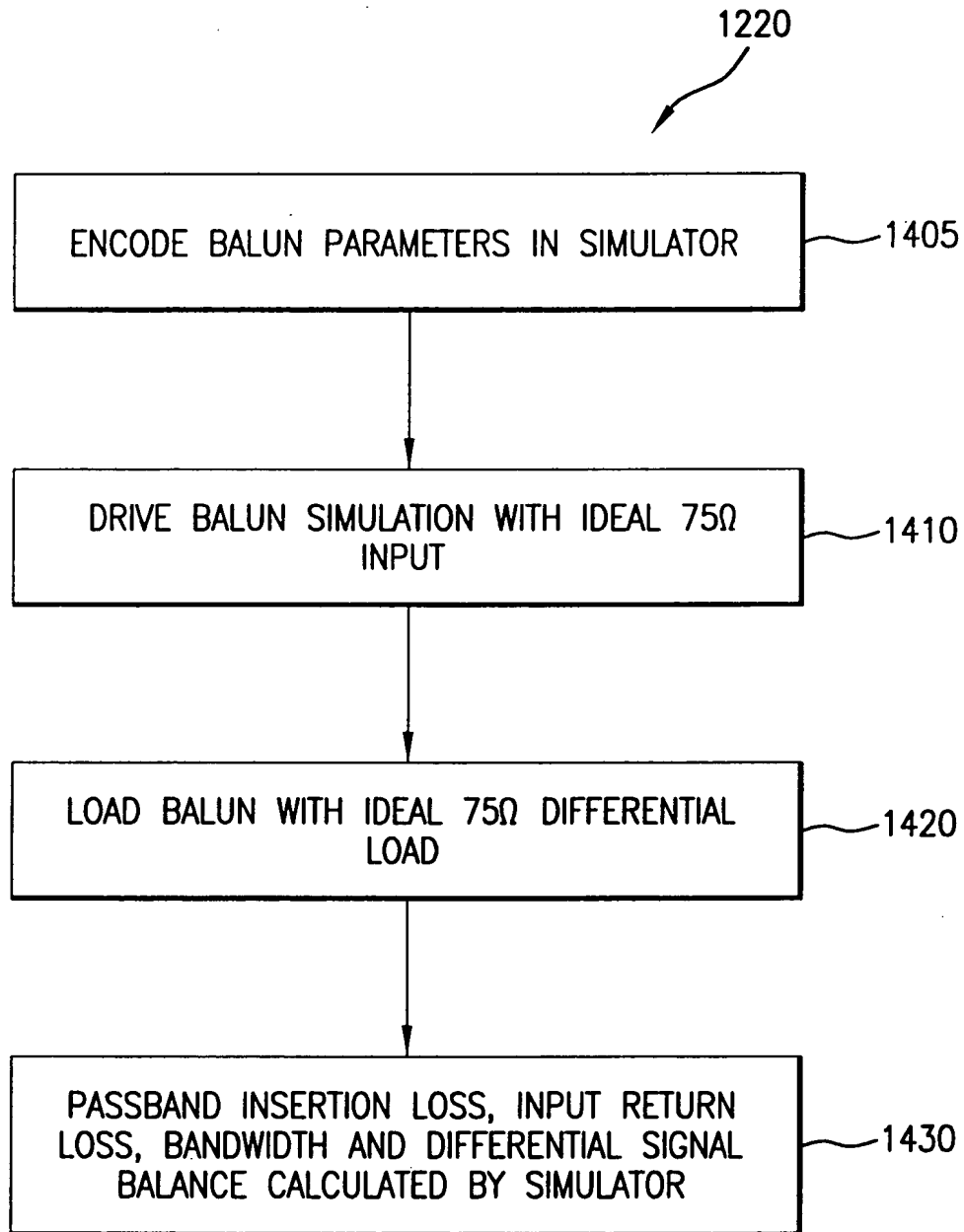


FIG. 14

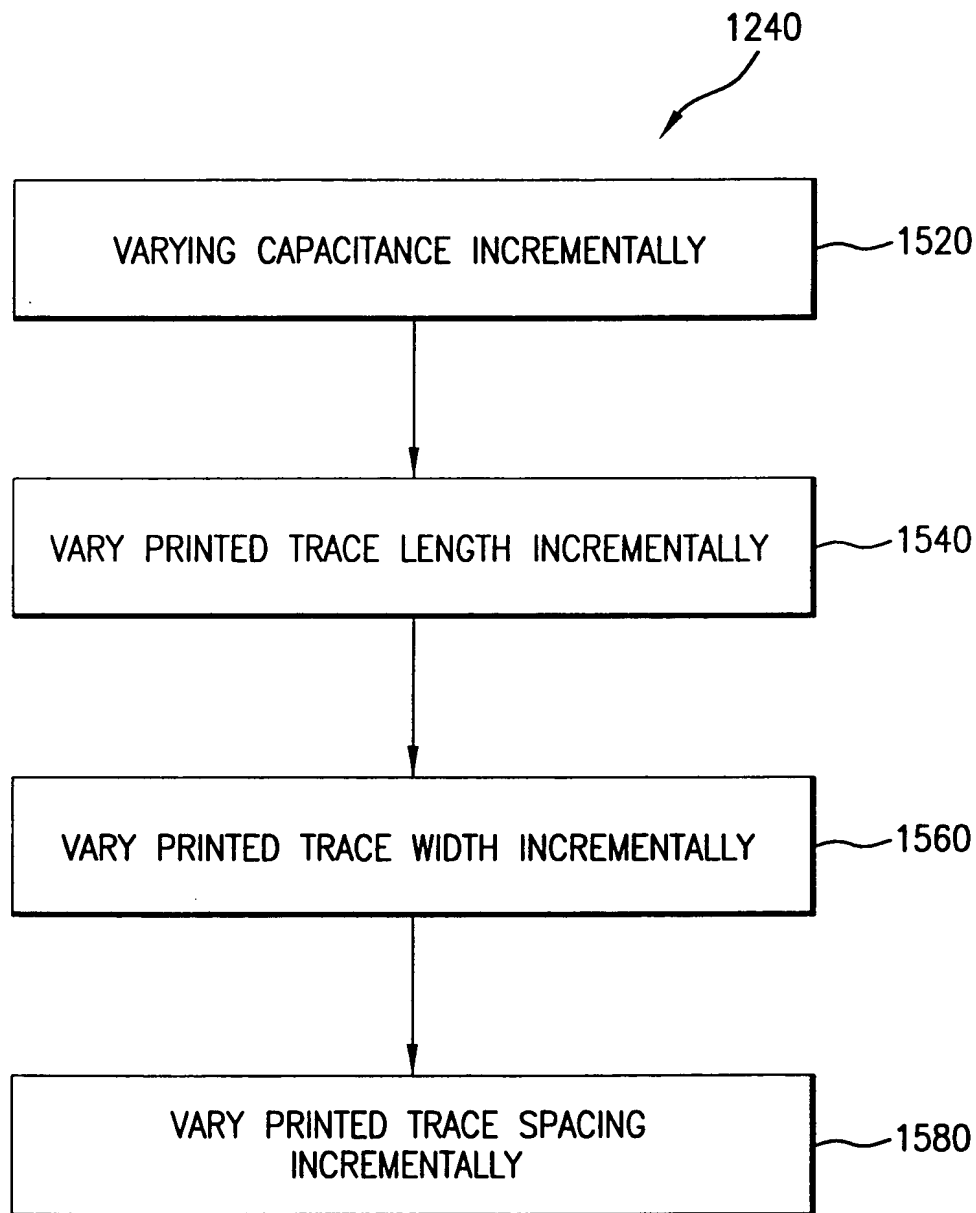


FIG. 15

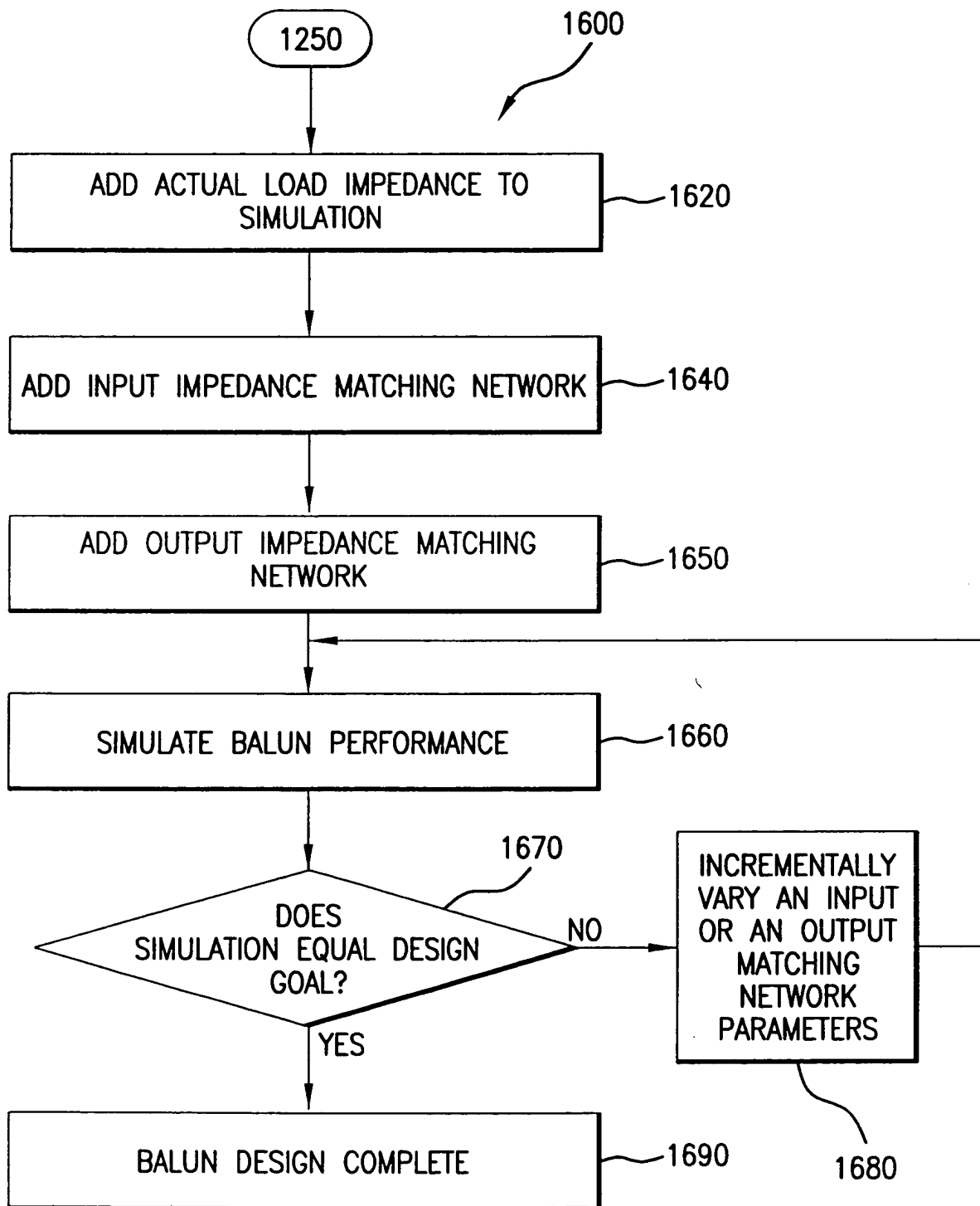


FIG. 16